

Record 21: JP8325332A**(ENG) ETHYLENE-ALPHA-OLEFIN COPOLYMER****Assignee:** NIPPON OIL CO LTD

[no drawing available]

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MATSUURA KAZUO**Application No:** JP 15710395 A**Filing Date:** 19950531**Issue/Publication Date:** 19961210

Abstract: (ENG) <sec>PURPOSE: To obtain the subject copolymer having broad molecular weight distribution, high melt tension, large die-swell ratio, large n- value and excellent processability and useful for blow molding, etc. CONSTITUTION: The subject copolymer is a copolymer of ethylene and a 3- 20C α -olefin, having a melt flow rate of 0.01-200g/10min and a density of 0.880-0.960g/cm³, exhibiting ≥ 2 dissolution peaks by temperature-increasing dissolution fractionation wherein at least one of the dissolution peak temperature is $\geq 95^{\circ}\text{C}$ and at least one of the dissolution peak temperature is $\leq 90^{\circ}\text{C}$, and having a die-swell ratio of ≥ 1.5 , an n-value of ≥ 1.40 and an Mw/Mn ratio of ≥ 5.0 measured by GPC. The copolymer is produced preferably in the presence of a catalyst obtained e.g. by contacting a silicon oxide and/or aluminum oxide with a compound of the formula $\text{Me}(\text{OR})_p\text{X}(\text{R})_q$ (OR and R are each a 1-24C hydrocarbon group; X is a halogen or H; Me is Ti, Zr, etc.; (p) and (q) are each 0-4; p+ q is 0-4).</sec>

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